

CLAIMS

1. Road barrier with a function as a traffic-divider or of lateral containment and protection, said barrier comprising a plurality of modules each of which has at least an upright, or vertical component, fixed in the ground, and at least a first longitudinal element, or horizontal component, associated therewith, characterized in that said upright (12) and said first longitudinal element (13) consist of tubular profiles, said upright (12) being arranged through inside said first longitudinal element (13), so that said first longitudinal element (13) can be moved vertically and selectively clamped at a desired height along said upright (12).
2. Road barrier as in claim 1, characterized in that it comprises a base (11) provided with an inclined side (11b) protruding towards the roadway (14), said upright (12) being arranged through inside said base (11).
3. Road barrier as in claim 2, characterized in that said side (11b) has a curvilinear conformation and defines a concavity facing towards the roadway (14).
4. Road barrier as in claim 2 or 3, characterized in that said base (11) consists of a tubular profile with a substantially trapezoid section.
5. Road barrier as in claim 4, characterized in that said base (11) has at least a hole (17) by means of which it is able to be filled with a material suitable to increase the rigidity thereof, such as mortar of cement (18), concrete or suchlike.
6. Road barrier as in any claim from 1 to 3 inclusive, characterized in that said base (11) consists of a full-section article, made of concrete or armed cement.
7. Road barrier as in any claim from 2 to 6 inclusive, characterized in that said base (11) is mounted on spacer

elements (15) able to keep it slightly raised with respect to the ground and arranged distanced from each other in order to allow the water to drain from the roadway (14).

8. Road barrier as in claim 7, characterized in that said
5 spacer elements (15) are made of synthetic material such as plastic, nylon, Teflon or suchlike.

9. Road barrier as in claim 6, characterized in that, at least on the bottom part, said base (11) has through transverse apertures able to allow the water to drain from
10 the roadway (14).

10. Road barrier as in any claim from 2 to 9 inclusive, characterized in that said base (11) is able to slide vertically along said upright (12) to be arranged at different heights according to the variations in height of
15 the roadway (14).

11. Road barrier as in any claim from 2 to 10 inclusive, characterized in that said upright (12) is arranged off-center towards the outside of the carriageway (36) with respect to said base (11).

20 12. Road barrier as in any claim hereinbefore, characterized in that said upright (12) integrally includes coupling means for an extension upright (112) to be associated at the top part thereof.

13. Road barrier as in claim 12, characterized in that said
25 coupling means comprise at least an inner threading (22) on which a threaded sleeve (21), associated with said extension upright (112), is able to be screwed.

14. Road barrier as in claim 12, characterized in that said coupling means comprise through transverse holes (25) able
30 to cooperate with mating holes (24) made on a sleeve (23) associated with said extension upright (112), said sleeve (23) being able to be inserted and attached, by means of pins, screws or suchlike, to said upright (12).

15. Road barrier as in any claim hereinbefore, characterized in that, above said first longitudinal element (13), it comprises at least a second longitudinal element (30), consisting of a tubular profile, passed through by said upright (12) along which it can be moved and selectively clamped.

16. Road barrier as in any claim hereinbefore, characterized in that said longitudinal elements (13, 30) cooperate with collar means (27) provided with insertion apertures for pin means (38) which allow them to be reversibly clamped on said upright (12).

17. Road barrier as in claim 16, characterized in that said insertion apertures are able to be aligned with mating holes (37) made at variable heights on said upright (12) for the through insertion of said pin means (38).

18. Road barrier as in claim 16 or 17, characterized in that said collar means (27) are integrally made on said longitudinal elements (13, 30).

19. Road barrier as in claim 16 or 17, characterized in that said collar means (27) are attached on said longitudinal elements (13, 30).

20. Road barrier as in claim 16 or 17, characterized in that said collar means (27) are autonomous elements able to be attached on said upright (12) to support said longitudinal elements (13, 30) from below and to prevent their vertical displacement.

21. Road barrier as in any claim hereinbefore, characterized in that it includes panels (35) of the soundproofing and/or anti-dazzle type.

22. Road barrier as in claims 15 and 21, characterized in that said panels (35) are arranged between said first longitudinal element (13) and said second longitudinal element (30).

23. Road barrier as in claims 15 and 21, characterized in that said panels (35) are arranged above said second longitudinal element (30).

24. Road barrier as in any claim hereinbefore, characterized
5 in that said first longitudinal element (13) and/or said second longitudinal element (30) are passed through longitudinally by a reinforcement element (28) made of high resistance material such as a metal cable or a strip of synthetic fiber.

10 25. Road barrier as in any claim hereinbefore, characterized in that at least said first longitudinal element (13) has an ovoid section, or similar, and longer lateral segments (13a) having a convexity facing towards the outside, so as to be distanced from said upright (12).

15 26. Road barrier as in any claim from 1 to 24 inclusive, characterized in that at least said first longitudinal element (13) has a polygonal section, or similar, vertically extended.

20 27. Road barrier as in any claim hereinbefore, characterized in that at least said first longitudinal element (13) has a plane upper segment (13b) and lower segment (13c) in correspondence with which it is passed through by said upright (12).

25 28. Road barrier as in any claim hereinbefore, characterized in that it comprises sleeve means (31) or plate means able to be inserted in a retracted position inside contiguous bases (11) or longitudinal elements (13, 30) in order to join them together by means of pin or screw means (34) or suchlike.

30 29. Road barrier as in any claim hereinbefore, characterized in that said tubular profiles are made of metal.

30. Road barrier as in any claim hereinbefore, characterized in that, at the lower part, said tubular profiles have

through holes to drain the condensation and water which has infiltrated inside them.